

1. A sunscreen composition comprising as its active components in synergistically effective amounts:

- a) (Bio) Melanin extract,
- b) Green Tea with a polyphenol content greater than 40%,
- c) Mineral Pigments

2. The sunscreen composition of claim 1, wherein said mineral pigments is Titanium Dioxide.

3. The sunscreen composition of claim 1, wherein said mineral pigments are zinc oxide.

4. The sunscreen composition of claim 1, in which said extract is present in the amount from about 0.01 to 5% by weight of the total composition.

5. The sunscreen composition of claim 1, where said melanin in the amount of 1% by weight provides a Phototoxic Protection Factor of about 6 units.

6. The sunscreen composition of claim 1 wherein said green tea component is present in an amount of 2% o 10% by weight of the total composition.

7. The sunscreen composition of claim 6 including a camellia oleifera extract.

8. The sunscreen composition of claim 6 including a camellia sinensis extract

9. The sunscreen composition of claim 6, wherein said green tea polyphenols have a ratio of extraction greater than 40%.

10. The sunscreen composition of claim 9, wherein said green tea polyphenols (GTP) have synergistic photoprotective effects on skin when combined with either titanium dioxide or zinc oxide.

11. The sunscreen composition of claim 10, wherein said GTP's are effective at reducing an erythema response (skin reddening), both to UVB and UVA radiation.

12. The sunscreen composition of claim 1, wherein said mineral pigments are active UVA/UVB reflecting sunscreen ingredients.

13. The sunscreen composition of claim 12, wherein titanium dioxide is one of the mineral pigments is present in said composition in an amount of 2% to 10%.

14. The sunscreen composition of claim 12, wherein zinc oxide as one of the mineral pigments is present in said composition in an amount of 2% to 10%.

15. The sunscreen composition of claim 12, wherein said mineral pigments provide a UVB protection of 75% for SPF 4, 88% for SPF 8 and 93% for SPF 15.

16. A method of protecting the skin against damage from UVA and UVB radiation comprising the steps of applying a protective composition on said skin: said composition having been prepared by active components in synergistically effective amounts:

- a) using a (biological) melanin extract;
- b) adding a green tea extract from the tea plant *camellia oleifera* or *camellia sinensis* with a polyphenol contents of greater than 40%
- c) adding mineral pigments in the amount of 2% to 10%.

17. The method of claim 16, wherein said above components a) through c) provide dual protection against skin damages from UV radiation:

- 1) UV reflection and
- 2) cell protection by scavenging of UV induced unstable free radicals.

18. The method of claim 16, wherein said mineral pigments reflect UVA and UVB rays on the skin.

19. The method of claim 16, wherein said bio melanin is a UV absorber and provides a significant UVA protection.

20. The method of claim 16, wherein said bio melanin acts as a dynamic antioxidant and a free radical scavenger.

21. The method of claim 16, wherein said bio melanin extract is a superior free radical trap and capable to regenerate the neutralized traditional antioxidant (polyphenols) green tea.

22. The method of claim 16, wherein said polyphenols of said green tea are efficient at protecting against erythema.

23. The method of claim 16, in which the particles of said mineral pigments remain untreated in order to keep said composition in all natural state.